

From: FEMA-NRCC-ohul
To: [EOC Situation Unit](#)
Cc: [Mason, Steve](#)
Subject: FW: Region VI Hurricane Harvey SITREP 7_30 Aug 2017 12 PM CDT
Date: Wednesday, August 30, 2017 3:18:55 PM
Attachments: [Region VI Hurricane Harvey SITREP 7_30 Aug 2017 12 PM CDT.pdf](#)
Importance: High

Page 12 of this report has an update from DHS on the ARKEMA Plant.

- 1) What do we have on this? FEMA Administrator wants to make sure that safety is sought after (evacuations were done yesterday), to control any media attention this may receive.
- 2) what do we have on aspect overflights of this? FEMA would like to see any aerial pictures of this site if we have them yet.
- 3) We have reports of the organic peroxides from this facility being moved onto rails—and questions: are they safe at the new location? Are they being monitored?

Thanks,
Laura

From: FEMA-NRCC-ip
Sent: Wednesday, August 30, 2017 4:05 PM
To: FEMA-NRCC-sasd ; FEMA-NRCC-rfit ; FEMA-NRCC-pssc ; FEMA-NRCC-icsb ; FEMA-NRCC-eul ; FEMA-NRCC-iags ; FEMA-NRCC-sasc ; FEMA-NRCC-NBEOC, ; FEMA-NRCC-fpul ; FEMA-NRCC-DOTA, ; FEMA-NRCC-DOTB, ; FEMA-NRCC-ohul ; FEMA-NRCC-icul
Cc: White, Stephen
Subject: FW: Region VI Hurricane Harvey SITREP 7_30 Aug 2017 12 PM CDT
DHS/NPPD Region VI Hurricane Harvey SITREP
Jeff Wyatt
NRCC DHS/IP Liaison Desk
NRCC DESK: 202-212-2423
FEMA-NRCC-ip@fema.dhs.gov (FEMA-NRCC IP Desk)

From: NICC
Sent: Wednesday, August 30, 2017 3:13 PM
To: IP CI CAT
Cc: NICC ; FEMA-NRCC-ip ; Neiman, Richard ; Lacey, Michael ; Rangle, Jesse
Subject: FW: Region VI Hurricane Harvey SITREP 7_30 Aug 2017 12 PM CDT
IP CI CAT,

See attached Region VI Hurricane Harvey Sitrep as of 1300 EDT.

If you have any questions or concerns about this matter, contact the NICC at 202-282-9201 or NICC@hq.dhs.gov. Thank you.

V/r,

NICC Watch Operations

Department of Homeland Security

202-282-9201

Email: nicc@hq.dhs.gov

HSDN: ip.nicc@dhs.gov

JWICS: ip.nicc@dhs.ic.gov

For information about the Hometown Security initiative, please visit:

www.dhs.gov/hometown-security

For more information on the NICC, go to:

[DHS National Infrastructure Coordinating Center](#)

From: Allen, Vernon

Sent: Wednesday, August 30, 2017 1:19 PM

To: IP CI CAT

Cc: PSCDOperations ; Breor, Scott ; Genua, Daniel ; Griffin, Sean ; Bishop, Carlos ; Stallworth, Shawn ; Watson, Douglas ; Constantin, Phillip ; Otten, Edwin ; Gray, Bryan ; Hamilton, Charles (Buck) ; Johnston, Chad ; Willcutts, Kathryn ; Macha, Michael ; Rollins, Marsha ; McKee, Jeffery ; Dailey, Michael A ; Moore, Glenn ; Murray, Jeffrey ; Nicholas, Steven ; Gilbreath, Paul (Nathan) ; Perriott, Harvey ; Gonzalez, Ricardo ; Cary, Richard ; Perceful, Shawn ; Shedd, Steven ; Miner, Tavonya ; Allen, Vernon ; Benavides, Victor ; ISCD Incident Report ; NICC ; Lacey, Michael (OGA) ; Rangle, Jesse

Subject: Region VI Hurricane Harvey SITREP 7_30 Aug 2017 12 PM CDT

Attached please find the Region VI Hurricane Harvey SITREP 7_30 Aug 2017 12 PM CDT.

For any clarifications or questions, contact ipregion6ops@hq.dhs.gov directly for immediate response.

Regards,

Vernon E. Allen, CHPP

Operations Analyst

Region VI, Dallas, TX

Office of Infrastructure Protection

Department of Homeland Security

Mobile: (202) 360-2650

vernon.allen@hq.dhs.gov



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Event Type	Incident Response
Report Name	Hurricane Harvey
Report Number	7
Date Reported	30 August 2017
Time Reported	12:00 PM CDT

Reporting Components of Infrastructure Protection (IP)	Protective Security Coordination Division (PSCD)
	Infrastructure Security Compliance Division (ISCD)

Staffing / Location	
Supporting Protective Security Advisors (PSAs)	Mike Macha (Houston, TX - North) – Deployed to City of Houston EOC Edwin (Lee) Otten (South Texas) Jeff McKee (Baton Rouge, LA) – Deployed to LA State SOC Phillip Constantin (New Orleans, LA) – Deployed to City of New Orleans EOC Bryan Gray (Dallas, TX) – Deployed to FEMA 6 RRCC Chad Johnston (Arkansas) – Deployed to TX SOC
Supporting Chemical Security Inspectors (CSIs) and Supervisors	Paul Gilbreath Steven Shedd – On duty at IMC. Richard Cary (Houston, TX – South) – Deployed to City of Houston EOC. Shawn Perceful (Dallas/McKinney) - On duty at IMC. Doug Frey (SW LA) Roxanne Ryder (South TX) - On duty at IMC.
Region VI Field Office Representation	Steven Nicholas – IPRD Harvey (PT) Perriott – CPS Mike Dailey – RSOC Victor Benavides – ROM Ricardo Gonzales – AO Kathryn Willcutts – Exercise Coordinator Vernon Allen – Operations Analyst
Duty Status	Incident Response
Personnel Contact Information	steven.nicholas@hq.dhs.gov

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Region VI State Emergency Operations Center (SEOC) Activation Levels	
Arkansas EOC	Level 4 - Normal Operations
Louisiana EOC	Level 1 – Emergency Conditions, per FEMA R6 Spot Report 19, 8/29/17
New Mexico EOC	Level 4 - Normal Operations
Oklahoma EOC	Level 4 - Normal Operations
Texas EOC	Level 1 – Emergency Conditions

FEMA Activation Levels	
FEMA Region VI	Level 1 – Emergency Conditions
FEMA RRCC	Level 1 – Emergency Conditions (24/7); Watch: Steady State
Regional IMAT	2 – Deployed to Texas EOC 1 – Deployed to Louisiana EOC N-IMAT LNOs deployed to Texas & Louisiana SOC

IP Region IV Regional Office	
Status	
IP Regional Director Steve Nicholas	Incident Management Chief (IMC) Chief on duty at North Texas Fusion Center.
Chief Protective Security Harvey (PT) Perriott	Chief, Protective Security deployed to the TX SOC.
Regional Support Outreach Coordinator Mike Dailey	New Mexico Homeland Security Conference.
Regional Operations Manager Victor Benavides	IMC Deputy Chief on duty IMC.
Administrative Officer Ricardo Gonzales	Records Officer on duty at IMC.

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Operations Analyst Vernon Allen	Situational Awareness and Operations Support Analyst on duty, working at authorized telework site.
Regional Exercise Coordinator Kathryn Willcutts	External Affairs Officer on duty at IMC.
Business Support Specialist Marsha Rollins	Logistics and Finance Officer on duty at IMC.
Business Support Specialist Sharell Miner	Logistics and Finance Officer on duty at IMC.
Business Support Specialist Sharon Lewis	Logistics and Finance Officer working remotely from an alternate location in Austin, TX.



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IP/PSCD	
Status	
IP Activation Level	Phase I: Guarded, CI-CAT activated 8/26/17
NOC Activation	Phase I: Guarded
Protective Security Advisor (PSA) Status	Arkansas: Chad Johnston – Deployed to TX SOC Louisiana: Jeff McKee – Deployed to LA State EOC, Philip Constantin – Deployed to City of New Orleans EOC New Mexico: Jeff Murray – In District Oklahoma: Glenn Moore – In District Texas: Mike Macha – Deployed to City of Houston EOC; Charles Hamilton – In District; Bryan Gray – Deployed to FEMA 6 RRCC; Lee Otten – Deployed to TX SOC
Incident Summary	
	<ul style="list-style-type: none">▪ DOE, Tropical Storm Harvey Situation Report #11/Update #10 Reports @ 8:30 AM EDT, 8/30/17:▪ As of 8:00 AM EDT, Harvey was 25 miles west-northwest of Lake Charles, Louisiana moving north at 9 MPH, with maximum sustained winds of 45 MPH (tropical storm). Tropical-storm-force winds extend outward up to 80 miles. The storm is expected to move north-northeastward later this morning, and then a northeastward motion at a faster forward speed is expected through Thursday night. On the forecast track, the center of Harvey will move across the Lower Mississippi Valley and Tennessee Valley through Thursday.▪ Harvey is expected to produce additional rainfall accumulations of 3 to 6 inches from southwestern Louisiana and the adjacent border of eastern Texas northeastward into western Kentucky through Friday with isolated amounts up to 10 inches. While the threat of heavy rains has ended in the Houston/Galveston area, significant flooding will continue. Elsewhere, the outer bands of Harvey are expected to produce additional rainfall amounts of 3 to 6 inches over portions of the central and eastern Gulf States and 2 to 4 inches farther north into parts of the Tennessee Valley through Friday.▪ A tropical storm warning is currently in effect from east of High Island, Texas to Grand Isle, Louisiana and flood and flash flood warnings have been issued throughout the region.• Brazoria County, TX: The Northwood Retention Dam is expected to be breached by overflow. The Northwood Subdivision is being issued a Mandatory Evacuation Order by the City of Lake Jackson. They project the roads will become impassable for one week as a consequence. (FEMA R6 Spot Report 22 @ 10:47 AM CDT 8/29/17 Reports: Columbia Lakes Levee, Brazoria County has breached.)

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- **Fort Bend County, TX:** Evacuations are in progress for approximately 110,000 people, due to Addicks and Barker Reservoir controlled releases to relieve pressure on Dams and anticipated levels of water in the Brazos and Colorado Rivers that will inundate a large area.
- **Aransas County, TX:** There are no functioning water, sewer, or sanitation services. The City of Ingleside lacks running water and sewer utilities. Public Works Response Team (PWRT) representatives continuing to assist jurisdictions with assessing needs and providing guidance towards restoration of services.
- **Calhoun County, TX:** The County has no electricity, water or sewer. Calhoun County reports a possible release of two or three thousand gallons of refined oil or diesel.



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TEXAS	
Reporting PSAs	Edwin (Lee) Otten
FIELD REPORTING	<ul style="list-style-type: none">▪ PSA Otten Reports @ 6:35 PM CDT, 8/29/17:▪ The lift bridge over the Victoria Barge Canal is not operational and the Port of Victoria needs help expediting repairs. Until power is restored, barge traffic will not be able to transit the canal (once the USCG opens the canal). Additionally, the lift bridge is the primary east-west line for Union Pacific and an alternate for BNSF.▪ PSA Otten Reports @ 3:48 PM CDT, 8/28/17:▪ San Patricio Municipal Water District is operating on backup power, and has already burned up one generator. They currently do not have enough power to adequately pressurize the lines and provide sufficient cooling water to the cogeneration plant. Concerned that the San Patricio Municipal water district is not on a priority restoration schedule with American Electric Power (AEP). Without that water, commercial facilities in Ingleside will not have sufficient water for operations.▪ PSA Otten Reports @ 2:12 PM CDT, 8/28/17:▪ Per verbal report from an OxyChem representative, the San Patricio Municipal Water District is unable to deliver adequate supplies of water. Apparently, they are operating on emergency power and haven't been able to complete an assessment of their water towers and distribution system.▪ PSA Otten Reports @ 8:02 PM CDT, 8/26/17:- Hospital Evacuations in Victoria, TX:- Hospital addresses:- DeTar Navarro - 506 E San Antonio St, Victoria, TX 77901 (Partial Power)- Post Acute South - 506 E San Antonio St, Victoria, TX 77901 (Partial Power)- DeTar North - 101 Medical Dr, Victoria, TX 77901 (Unknown Power status)- Citizens Medical Center - 2701 Hospital Dr, Victoria, TX 77901 (Full Power)- Total patients 406.- PSA Otten Reports @ 9:02 PM CDT, 8/24/17 - Valero and Flint Resources (Corpus Christi) announced earlier today that they have initiated shut down procedures.
Critical Infrastructure Sectors Impacted	Water and Wastewater Systems, Public Health, Emergency Services, Transportation, Energy (ONG)

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Reporting PSAs	Mike Macha / SCSi Richard Cary
FIELD REPORTING	<ul style="list-style-type: none">▪ <u>PSA Macha Reports @ 11:23 AM CDT, 8/30/17:</u><ul style="list-style-type: none">- Port Arthur Emergency Management Center (EMC) reports no issues with Port Arthur I-Wall at this time.▪ <u>PSA Macha Reports @ 7:59 AM, 8/30/17:</u>▪ <u>Update from Fort Bend County OEM</u><ul style="list-style-type: none">- Sienna Plantation Levee Improvement District (LID) experienced pump failures causing a mandatory evacuation in Sienna Plantation LID in anticipation of inundation from flooding.- Pecan Grove Municipal Utility District (MUD) experienced a levee overtop causing a mandatory evacuation for Pecan Grove MUD in anticipation of inundation from flooding.▪ <u>PSA Macha Reports @ 9:38 PM CDT, 8/29/17</u><ul style="list-style-type: none">- The Mayor for the City of Houston has implemented a mandatory curfew that was originally from 10pm to 5am, and then amended to midnight to 5 AM.- Persons involved in flood relief efforts, flood relief volunteers, individuals seeking shelters, first responders, and persons going to and from work are exempt from the curfew.▪ <u>PSA Macha Reports @ 5:16 PM CDT, 8/29/17:</u>▪ <u>COH Water Operations</u><ul style="list-style-type: none">- East water Plant – 266 Million Gallons per Day (mgd)- Southeast water plant – 78 mgd- Northeast – 20 mgd- Groundwater production - 84.4mgd▪ <u>Waste Water Ops</u>▪ <u>The flooded facilities are:</u><ul style="list-style-type: none">- WCID 76- Homestead (once water recedes should be operational)- Southwest (worse than 2015)- Kingwood Central (de-energized before vacating)- Sims North (water receded some, equipment mostly operational)- Beltway (water rising, once water recedes should be operational)- Northgate (will have repair LS pumps)- Sagemont (whole neighborhood is flooded)

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- **PSA Macha Reports @ 4:18 PM CDT, 8/29/17:**
 - According to Howard Hilliard, Director, Administrative Coordination, City of Houston Publics Works Engineering (PWE), the water/waste water system is stressed by flood waters, but operational. The three main water treatment plants are functioning.
 - Will provide individual updates from the IOC once status is confirmed.
- **PSA Macha Reports @ 10:29 Am, 8/29/17:**
 - Director of Water for the City of Houston (COH) reports Houston Water sponsors a real-time water quality monitor at Lynchburg Pump Station reservoir and will review the data to make sure raw water quality is not effected. This monitor provides several days' notice to the facilities so there is no danger to drinking water quality. At normal flows, reservoir contains a 3-5 day supply. Current demand will result in this water supply lasting longer.
- **PSA Macha Reports @ 8:06 AM, 8/30/17:**
 - According to City of Houston (COH) Public Works Engineering (PWE), Northeast Water Purification Plant (NEWPP) is operating and maintaining sufficient pressure to keep the system charged and deliver water.
 - PWE reports there are no significant issues related to their water and waste water system.
 - **Northeast Water Purification Plant continues to produce "good quality" water.**
 - DHS/ICE/HSI representative now assigned to the EOC. A vehicle from their SRG unit has been assisting HPD with water rescues.
- **PSA Macha Reports @ 8:14 AM, 8/29/17:**
- **USACE Situation Report –Addicks/Barker (A/B) Reservoirs (See Map.)**
 - Addicks Reservoir is at 108 feet and Barker is at 101 feet. Addicks is releasing at 7000 cfs and Barker Reservoir is releasing at 6000 cfs (a total release of 13,000 cfs). Releases are greater than originally anticipated to maintain functionality of the gate structures.
 - Water continues to escape Addicks from around the north end of the spillway, but this release was less than 100 cfs. If Addicks were to rise above 109.6 feet, then releases would increase.
- **Airport Update (Reported @ 6:35 PM CDT 8/29/17)**
- **Fort Bend County**
 - Temporary Flight Restriction (TFR) issued, in support of Search and Rescue Operations (SARs).

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IAH

- Airport is closed with the exception of departing flights, DAL has 2 relief flights (1) inbound then outbound (1) outbound; AAL has 1 relief flight inbound then outbound; UAL has 2 relief flights, (1) inbound then outbound, (1) outbound. VMS signs are deployed "Watch for High Water" and placed in appropriate spots on roadways. North and South Terminal Road are inspected, clear and passable. Will Clayton inspected, clear and passable except from Lee Road to Hwy 59. Checkpoints are open and manned. 16 stranded passengers. An additional 560 flights have been cancelled. Will Clayton Parkway is closed at McKay. Some vendors are open. **FAA reports that date/time when the airport is expected to reopen is Aug 31 at 12:00 PM CDT.**

Houston Hobby

- Airport remains closed with SWA working only on getting their other flights out (approximately 10 aircraft). 5 passengers remain, however they are local. Multiple roadways in and out of HOU are clear, open and passable. **FAA reports that date/time when the airport is expected to reopen is Aug 31 at 12:00 PM CDT.**

Ellington Field

- Airport is open, all runways are open, ATC tower is open, and Roadways leading to and from I-45 are beginning to flood again. Hwy 3 remains passable. Non-Military aircraft are required to contact the FBO before landing due to fuel and staffing limitations.
- **PSA Macha Reports @ 7:01 PM, 8/28/17:**
 - Received a phone call from Rick Retz, Planning Chief, Hurricane Harvey Response, City of Houston EOC, regarding obtaining aerial imagery for the greater Houston area to determine extent of flooding, possible SAR and response and recovery.
 - At 7:11 PM CDT, Request sent by Region VI IPRD to OCIA for action.
 - OCIA Reports @ 9:39 PM CDT, The imagery MA's were all approved and they have civil air patrol on standby as well as UAV's but they are still waiting for the weather to cooperate.
- **SCSI Cary Report @ 11:15 AM, 8/28/17:**
 - **Marathon Texas City Refinery:**
 - Refinery still running. Main issues involve getting employees to and from work. No plans to shut down at this time. Some minor logistical issues are being worked around. No significant impact due to closed port at Texas City.
 - Currently company has mounted a humanitarian effort to assist employees that have been affected by the storm.

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- **PSA Macha Reports @ 4:36 PM, 8/27/17:**
 - Ben Taub Hospital, Level 1 Trauma Center in the TMC, is in a phased evacuation to Memorial Hermann connected next to the Hospital. MH is also a Level 1 Trauma Center. They are experiencing leaks and CI failures. TMC is now isolated by flood waters. No one is getting in or out, unless by boat or air. Hospitals remain operational (with exception of the phased evacuation of Ben Taub).
- **PSA Macha Reports @ 7:12 AM, 8/30/17:**
 - **Colonial Pipeline** - Currently, is operating both Lines 1 and 2 at reduced capacity. The origins at Pasadena, Houston, and Cedar Bayou remain unavailable due to flooding.
 - Helicopter flyovers are being conducted to visually inspect area as weather permits and it is safe to do so.
 - The Incident Command continues to operate out of Baton Rouge, where the top priorities continue to be: the safety of employees, their families, and contractors assisting in our response; and preservation of our assets so that we will continue to be ready when we resume service from origin points in the Houston area.
- **DOE, Tropical Storm Harvey Situation Report #11/Update #10 Reports @ 8:30 AM EDT, 8/30/17: Refineries Update**
 - **Valero (Houston)** – Shut down. Units operating on circulation.
 - **Valero (Texas City)** – Operating. Evaluating storm impacts on operations.
 - **LyondellBasell (Houston)** - Reduced rates (50%) since Houston Ship Channel was shut last week.
 - **Shell (Deer Park)** – Shut down. Heavy rains resulted in discharge of residual crude oil to Houston Ship Channel.
 - **Exxon Mobil (Baytown)** – Shut down.
 - **Petrobras (Pasadena)** – Shut down.
 - **Marathon (Galveston)** – Started shut down procedures 8/29/17.
 - **Phillips 66 (Sweeny, TX)** – Shut down.
 - **Motiva (Port Arthur)** – In process of shutting down. Has flooded sour water pumps.
- **SCSI Cary Reports @ 3:02 PM CDT, 8/28/17:**
 - **WGMA Lake Charles PCT Call Channel Update #6**
 - **The Captain of the Port, MSU Port Arthur**, Effective at 12 noon CDT on August 28, 2017, the U.S. Coast Guard Captain of the Port, Port Arthur has set **Port Condition YANKEE** for the ports of Beaumont, TX; Port Arthur, TX; Orange, Texas; and **Lake Charles, LA** including all tributaries and connecting waterways.

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	<ul style="list-style-type: none">▪ <u>SCSI Cary Reports @ 6:53 PM, 8/29/17:</u> WGMA Corpus Christi Channel Update #14- USCG report: The Captain of the Port (COTP) Corpus Christi has implemented Port Condition Modified Zulu for the Port of Corpus Christi Inner Harbor, Tuesday. Modified Zulu for the Port of Corpus Christi Inner Harbor allows tug and barges with drafts not exceeding 20-feet currently in the Inner Harbor to transit freely within the Inner Harbor with no requirements to seek the COTP permission to move. US Army Corps of Engineers: Eight boats were surveying and no major issues have been reported yet. The surveys of the Inner Harbor are finished, and most of the surrounding waterways should be finished except for the Bay Channel.- Aransas-Corpus Christi Pilots: Completed running the entire channel and some minor shoaling were found. Nothing significant that would prevent ship movements▪ <u>SCSI Cary Reports @ 10:13 AM, 8/29/17:</u>- PCT - Houston Ship Channel Update #9- The Captain of the Port, Sector Houston-Galveston expects to remain at Port Condition ZULU for at least the next 24 hours, and traffic may not start moving until Thursday, and possibly later.- NOAA advised they are trying to get their Navigation Response Team from Florida down to Corpus Christi (ETA 11AM today), and a second team is already in place in Houston but the boat is inaccessible at this time. Once conditions allow, they will launch here and begin survey work.- Houston Pilots reported that they are sending a pilot boat from Galveston to Morgan's Point today, running up one side of the channel, then returning to Galveston down the other side, to assess the situation on the bar.- Port of Galveston advised most of the roadways headed toward the island are underwater.- USCG Houston-Galveston Vessel Traffic Service confirms they are approving emergent vessel and limited barge movements on a case by case basis. Captain Nerheim advised that all vessels moored alongside a facility during Port Condition ZULU should maintain radio watch on VHF Channel 13 in case of need.- USCG District 8 HQ confirms that Coast Guard Western River Flood Punt teams, who use shallow-draft vessels that are capable of responding in flooded urban areas, are enroute to three staging areas in Texas and Louisiana, ready to assist with rescue and recovery efforts over the next several days of heavy rainfall.
Critical Infrastructure Sectors Impacted	Healthcare and Public Health, Nuclear Reactors, Material and Waste, Dams, Water and Wastewater Systems, Chemical, Transportation, Communications, Energy, Commercial Facilities

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Reporting PSA	Bryan Gray / RSOC Dailey (LNOs to the FEMA 6 RRCC)
Field Reporting	<ul style="list-style-type: none">▪ PSA Gray – FEMA R6 RRCC Reports @ 5:26 AM CDT, 8/30/17: Nothing significant to report at this time. Provided DOE Situation Report for today's energy reporting.▪ FEMA R6 RRCC Awareness Report 24 @ 1:58 PM CDT, 8/29/17:▪ The Arkema Plant near the border of Harris County/Liberty County has reported an incident involving the buildup of pressure and an increase in temperature at their peroxide related facility leading to the risk of an explosion. The surrounding area has 339 housing units with a population of 834 (assumption:1.5 mile blast radius)▪ Plant officials at the facility are evacuating and local first responders are going door to door in residential areas to inform residents of mandatory evacuation. The number remaining to evacuate is unknown at this time.▪ SCSI Cary Reports @ 2:02 PM CDT, 8/29/17:▪ Explosion is one of four possible outcomes. Could burn, slime, or gas, in addition to explode.▪ SCSI Cary has connected an Arkema chemist with the Houston Fire Marshall to determine what/if any mitigation activities can be taken.▪ FCO aware of this and FEMA is assisting as requested by locals.▪ CPS Perriott is meeting with state official and FEMA FCO at this time 1620hrs, 08/29/17▪ PSA Gray – FEMA R6 RRCC Reports @ 4:43 PM CDT, 8/28/17:▪ The Dallas County Medical Operations Center (DMOC) is activating a virtual command center. The DMOC is partnering with local and state authorities to assist in health and medical needs that may arise during this time.▪ DMOC will be activated virtually with Rob Monaghan as the main point of contact and Dana Suell as the secondary. Rob can be reached via cell phone at 972-679-0358 or Dana at 214-213-0818.▪ DOE, Tropical Storm Harvey Situation Report #11/Update #10 Reports @ 8:30 AM EDT, 8/30/17:▪ Electricity Sector• Texas: 287,125 customers 7:30 AM power outages (2.4% of total customers)<ul style="list-style-type: none">○ American Electric Power (AEP) Texas is the most significantly impacted utility○ AEP estimates 95% of outages in Corpus Christi area will be restored by late Wednesday and expects 95% of outages restored for most other areas by Saturday○ CenterPoint Energy is taking service in certain areas offline in order to prevent long term damage to some of its electric infrastructure, resulting in planned outages and is operating three staging sites

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around Houston to mobilize restoration crews. They have 170 additional mutual assistance crews aiding.

- Restoration in severely damaged or flooded areas will be delayed and utilities are reminding customers that before electricity can be restored to homes or business impacted by flooding, customers need to have electrical equipment inspected.

- **Louisiana:** 11,781 customer power outages (<1% of total customers)

- **Oil and Natural Gas Sector**

- **Petroleum refineries**

- As of 08:00 AM EDT, August 30, all six refineries in the Corpus Christi area, seven refineries in the Houston/Galveston area, and two refineries in the Beaumont/Port Arthur area were shut down or in the process of shutting down, according to public reports. These refineries have a combined refining capacity of 3,871,449 b/d, equal to 39.9% of total Gulf Coast (PADD 3) refining capacity and 20.9% of total U.S. refining capacity. In addition, five refineries in the Gulf Coast region were operating at reduced rates. The refineries operating at reduced rates have a total capacity of 1,509,276 b/d, equal to 15.6% of total Gulf Coast (PADD 3) refining capacity and 8.2% of total U.S. refining capacity.
- DOE continues to hold calls with a key pipeline operator who reports no integrity issues. Flow-rates are reduced due to service interruption in Houston area and DOE will remain in contact with the operator and industry to assess potential impacts at a regional and national level.
- **Ports (See chart on page 21)**
 - The U.S. Coast Guard has set the following conditions for ports and waterways in the U.S. Gulf Coast region as a result of Harvey.
 - As of August 28, 22 oil tankers carrying approximately 15.3 million barrels of imported crude oil near Texas ports are unable to offload due to port closures.
 - In addition, Louisiana Offshore Oil Port (LOOP) facilities are currently reporting normal operations. LOOP is executing its Inclement Weather Plan and will update Shippers accordingly.



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Louisiana	
Reporting PSAs	Jeff McKee / Phillip Constantin
FIELD REPORTING	<ul style="list-style-type: none">▪ <u>PSA Constantin Reports @ 11:39 AM CDT, 8/30/17:</u><ul style="list-style-type: none">- The New Orleans Emergency Operations Center will deactivate from Level II at 1900 this evening, Aug 30, 2017.▪ <u>PSA McKee Reports @ 6:52 AM CDT, 8/30/17:</u><ul style="list-style-type: none">- The storm re-entered around Cameron Parish, currently rain with isolated storms and wind. No new reports of any infrastructure being further affected; no reports of HAZMAT. Attached is current power outages in Louisiana. SITREPs from State agencies and parishes are still coming in. Will update as I receive.• Current priority for Baton Rouge District is to assess the potential fuel supply or lack of. This is being done as a state and local industry group effort which we are meeting with.• Ongoing issue will be opening and assessing the Calcasieu ship channel as soon as possible. The USCG and the local maritime users are on this and current plan is to make first assessment tomorrow morning. The top need is to move crude up to Clifton Ridge storage for Phillips and Citgo.• There are already reduced amounts of refined fuel going into the Colonial Pipeline and Plantation pipelines that could even be more reduced in the next couple days if Citgo and Phillips throttle back.• Follow-up on RVP request from Monday. The EPA did relax RVP standards in Louisiana from 7.8 to 9.0. Our industry professional continue to advocate for 11.5 for all southern region refineries.▪ <u>PSA Constantin Reports @ 6:40 AM CDT, 8/30/17:</u><ul style="list-style-type: none">- No significant impact to critical infrastructure throughout the event. Had some sporadic bursts of winds/rain creating localized street flooding but all is well.▪ <u>PSA McKee Reports @ 2:52 PM CDT, 8/29/17:</u><ul style="list-style-type: none">- Port Coordination Team planning for channel assessment Thursday morning; will advise as storm progress on path.- SEDIT entries being updated.▪ <u>PSA Constantin Reports @ 6:56 AM CDT, 8/30/17:</u><ul style="list-style-type: none">- Another pump is out of service per NOHSEP. D Pump is out of service at DPS 12 due to a fire on the resistor grid. Facility maintenance and the electrical shop have been deployed to assess the problem and will advise.- As of this morning, 106-120 pumps are operational. Roughly 93% capacity.- Pump maintenance will be on ongoing concern moving forward.▪ Transportation: affecting the Lake Charles area<ul style="list-style-type: none">- COTP Port Arthur has set Zulu for Sabine and Calcasieu River Ship Channels.

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- The Calcasieu Ship Channel is a waterway that connects the city of Lake Charles, Louisiana, with the Gulf of Mexico. The primary use of the channel is the importation of materials for processing in Lake Charles' large refinery industry, including petroleum, liquefied natural gas, and the export of refined products, such as gasoline and chemicals.
 - Carries 7.5% of the nation's daily oil consumption.
 - Is home to the nation's sixth-largest refinery.
 - Is home to two of the nation's largest liquefied natural gas facilities.
 - Handles 56 million tons of cargo annually.
 - The area stores one-third of the U.S.'s strategic petroleum reserve.
 - The area holds a complex of energy pipelines and the Henry Hub, a major natural gas hub for the U.S.
 - The Grand Lake Bridge (GIWW MM 230) was secured in the closed position, so it is not open to barges. This essentially secures the barge inland vessel traffic that connects Texas to the Gulf States. It is estimated the bridge will be closed for 2-3 days. Vessel traffic remains in Queue. Impact minimal to critical infrastructure.
 - This decision was made so that people living on the West side (closest to the River) would be able to evacuate. Currently it is anticipated that the bridge will be closed for up to 12 hours. As soon as the water recedes enough, bridge crews will re-open the bridge to marine traffic. This essentially closes the Gulf Intercostal Waterway (GIWW) to inland barge traffic between ports.
 - **PSA McKee Reports @ 12:51 PM CDT, 8/28/17 :**
 - State of Louisiana has submitted request to waive the federal fuel requirements for low RVP, however it is still preferred for EPA to mirror the September 4, 2012 EPA waiver done for Hurricane Isaac.
 - The waiver goes next to EPA for approval decision. I want stress the importance for reasons stated below to lessen the impact of recovery, and any potential influence IP can have.
 - **PSA McKee Reports @ 6:56 AM CDT, 8/28/17**
 - **Priority** - Main concern of the state fuel team is being able to service states with fuel. With so many refineries down the loss of fuel will have an impact especially when TX gets into recovery. It will be important especially getting employees back to work. Our team of refineries has recommended - a regional waiver request for 11.5 RVP gasoline for all states serviced by the Colonial and Plantation pipelines, plus Florida. The fuel team has already applied for the state waiver with DEQ and will be signed by the governor. The next step will be EPA and DOE to approve.



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	<ul style="list-style-type: none">▪ <u>PSA Constantin Reports @ 7:04 AM CDT, 8/27/17:</u>▪ Pump Station Availability Summary: All Pumps: 106/120 All Drainage Pumps under maintenance: 9 (2 are less than 10 CFS). Constant Duty Pumps under maintenance: 5. Overall pumping capacity availability 92%. DPS #6 Pump D back on line. Next scheduled large drainage pump return-to-service date: August 28 2017 (DPS 11 Pump E).▪ Power Generation Availability: Emergency Generator Power Availability: 20.5 MW. 25 Hz Power (including turbine capacity and emergency generators): 29.25 MW available. 60 Hz Power (including emergency generators and all DPS): 34 MW▪ <u>PSA McKee Reports @ 8:31 PM CDT, 8/28/17:</u> GOHSEP Tropical Weather SITREP 28 August 2017 <u>GOHSEP</u> EOC manned 24 hour operations. A WebEOC Event has been created for this event (<i>17-025 Tropical System Harvey – Statewide – August</i>). Unified Command Group Meeting held 8/28.▪ Public service commission Power outages throughout the state remain minimal (less than 2,000 total as of 16:00 8/28.) The utilities are monitoring the weather and staging crews where they may be needed most.▪ Parish Reporting:▪ <u>East Baton Rouge</u> Effective 8/29, MOHSEP EOC will be partially activated with 24 hr. operations until further notice.▪ <u>Jefferson (Declaration Received)</u> EOC partially activated All 69 pump stations are fully manned, 181 pumps are ready to remove standing water, and 340 miles of canals have been pumped to their lowest levels.▪ <u>Orleans (Declaration Received)</u>
Critical Infrastructure Sectors Impacted	Energy, Transportation

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P Region IV Chemical Security Inspectors		
Chemical Security Inspector (CSI) Field Reports		
CSI Status	Federal Region	Region VI
	Reporting CSIs	Steven Shedd, SCSi Shawn Perceful, SrCSi
	Chemical Security Inspectors (CSI) Status	Arkansas: Shane Parker Louisiana: Jonathan Buckles, Glenn LaPrairie, Doug Frey, Shane Stewart New Mexico: Lee (Erva) Smith Oklahoma: Doug Collins Texas: Steven Shedd, Roxanne Ryder, Shawn Perceful, Chris Alonzo, Steven Bellew, Madalyn Ferrell, David Gonyea, Jesse LeGros, Bill Moore
Texas		
	Reporting CSI	SrCSi Shawn Perceful SCSi Steve Shedd
		<ul style="list-style-type: none"> ▪ SrCSi Perceful Reports @ 10:43 AM CDT, 8/30/17: - NSTR. Waiting on updates from field personnel in Beaumont/Port Arthur locations. ▪ SrCSi Perceful Reports @ 2:59 PM CDT, 8/29/17: - Houston CFATS – Facilities are experiencing flooding causing ingress/egress issues for employees, feedstock and product. AS of this reporting time no CFATS facilities have reported any security issues or COI concerns. - Corpus Christi CFATS – 4 of 5 facilities are operational and the weather is not impacting activities. ▪ SCSi Shedd Reports @ 7:26 PM CDT, 8/28/1 - All Clear on the La Porte Shelter in Place. ▪ SCSi Shedd Reports @ 7:20 PM CDT, 8/28/17 : ▪ Reported Chemical Spill - La Porte, TX - SrCSi Perceful spoke with Facility Security Officer Chris Brandt who stated that Gas Innovations is secure and no leaks or releases. The POC pulled his CCTV footage and confirmed that the site was secure with no issues.

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	<ul style="list-style-type: none"> - We are working with the response group to determine where the leak is but at this time it does not appear to be a CFATS facility. SCSi Rick Cary is tracking. - Will provide further info once retrieved. ▪ Reports @ 12:49 PM CDT, 8/28/17 : - Facility Status Updates In Priority: 1) CFATS IOC facilities, 2) North Houston Non-IOC, 3) South Texas Non-IOC, 4) South Houston Non-IOC (includes Beaumont and Port Arthur areas), 5) Phase 2 North Houston (assigned to R6 inspectors for contact) - Steady state operational planning with R7, R8 and FOB
Louisiana	
Reporting CSI	SrCSI Shawn Perceful
	<ul style="list-style-type: none"> ▪ <u>SrCSI Perceful Reports @ 10:34 AM CDT, 8/30/17:</u> - Currently monitoring weather in Eastern LA, no impact at this time. - Western LA CFATS facility reporting normal rain event now and sun trying to break through. ▪ <u>SrCSI Perceful Reports @ 2:59 PM CDT, 8/29/17:</u> ▪ Louisiana CFATS – Lake Charles facilities are reporting no issues and are operational. The Eastern part of the state is expecting only 4 to 5 inches of rain and per the Baton Rouge inspectors are also operational. ▪ <u>Reports @ 12:49 PM CDT, 8/28/17 :</u> ▪ LA facilities already contacted this AM (x2) and they are still operational at this time. Only experiencing heavy rains. We will not be reporting LA facilities unless rain increases and the Lake Charles area begins flooding.



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Region VI Staffing Management Plan

Saturday August 26, 2017

Position Title	Name	Location of Support	Phone	Start Time	End Time
IMC Chief	Steven Nicholas	IMC	202-527-3608	0700	1900
IMC Deputy Chief	Victor Benavides	IMC	202-557-5745	1000	2200
Records Officer	Ricardo Gonzalez	IMC	202-657-8717	0700	1900
Situational Awareness Ops Sup Analyst	Vernon Allen	Authorized Telework Site	202-360-2650	0400	1600
External Affairs Officer	Kathryn Willcutts	IMC	202-536-9541	0700	1900
Logistics and Finance	Marsha Rollins	IMC	202-631-0531	0700	1900
Logistics and Finance	Sharell Miner	IMC	202-695-5600	0700	1900
Chief Regulatory Compliance	Nathan (Paul) Gilbreath	IMC	202-689-5077	0700	1900





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Status of Texas and Louisiana Gulf Coast Ports <i>as of 8:00 AM EDT 08/30/2017</i>		
Port	Status	Date Stamp
Sector Corpus Christi		
Brownsville	Open.	08/26/17
Corpus Christi	Port Condition Zulu. Closed. Port is assessing damage. Working to restore normal operations by 9/4.	08/28/17
Sector Houston and Galveston		
Freeport	Port Condition Zulu. Closed.	08/28/17
Galveston	Port Condition Zulu. Closed.	08/28/17
Houston	Port Condition Zulu. Closed.	08/28/17
Texas City	Port Condition Zulu. Closed.	08/28/17
Sector Port Arthur and Lake Charles		
Beaumont	Port Condition Zulu. Closed.	08/28/17
Lake Charles	Port Condition Zulu. Closed.	08/28/17
Nederland	Port Condition Zulu. Closed.	08/28/17
Orange	Port Condition Zulu. Closed.	08/28/17
Port Arthur	Port Condition Zulu. Closed.	08/28/17
Port Neches	Port Condition Zulu. Closed.	08/28/17
Sabine Pass	Port Condition Zulu. Closed.	08/28/17
Sector Morgan City		
Houma	Houma navigational channel (Bubba Dove) and Bayou Grand Caillou Floodgates closed due to Harvey. Closure will restrict access to Houma.	08/29/17

Source: U.S. Coast Guard

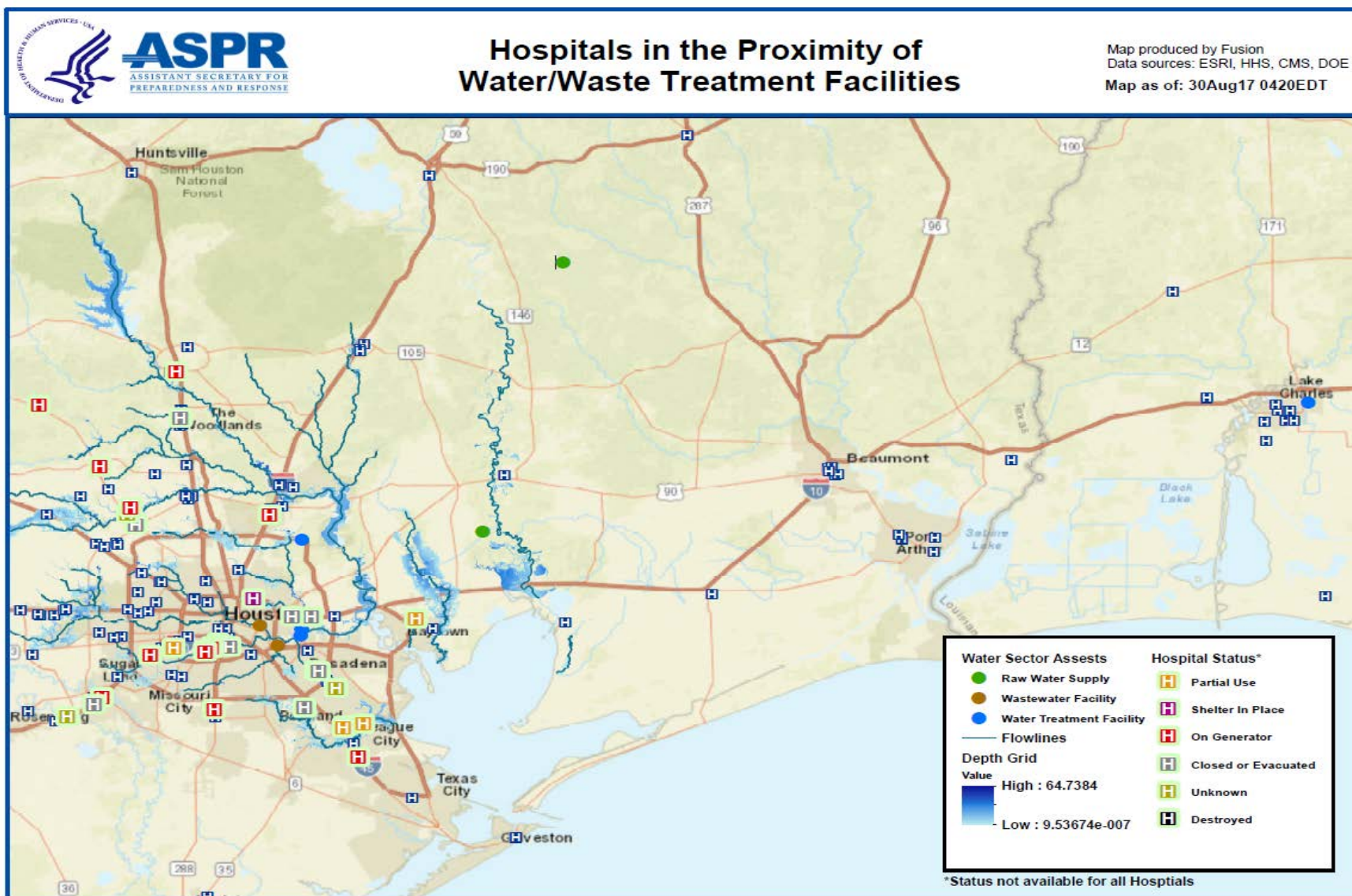
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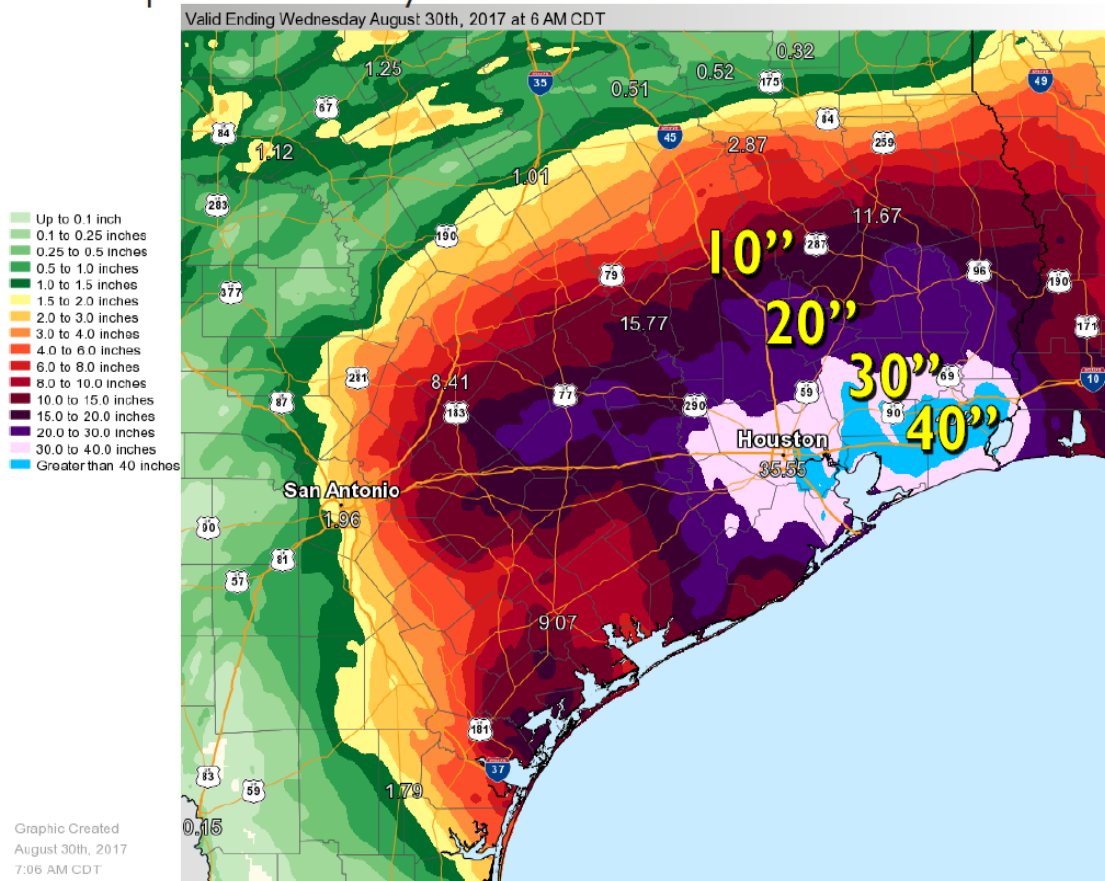
Current Storm Total Rainfall

Tropical Storm Harvey



SR ROC

REGIONAL OPERATIONS CENTER



4 Day Point Rainfall Amounts in Inches

- Harvey Rainfall continues with record breaking rainfall amounts of **45 to over 50 inches**... with continued rainfall
- **Cedar Bayou - 51.88**
- **Berry Bayou - 44.88**
- **League City - 49.84**
- **Mary's Creek - 49.80**
- **Goose Creek - 44.08**
- **Greens Bayou - 41.36**
- **Buffalo Bayou - 35.60**
- **Addicks Dam - 33.44**

Point rainfall
data courtesy



8/30/2017 7:52 AM

www.weather.gov

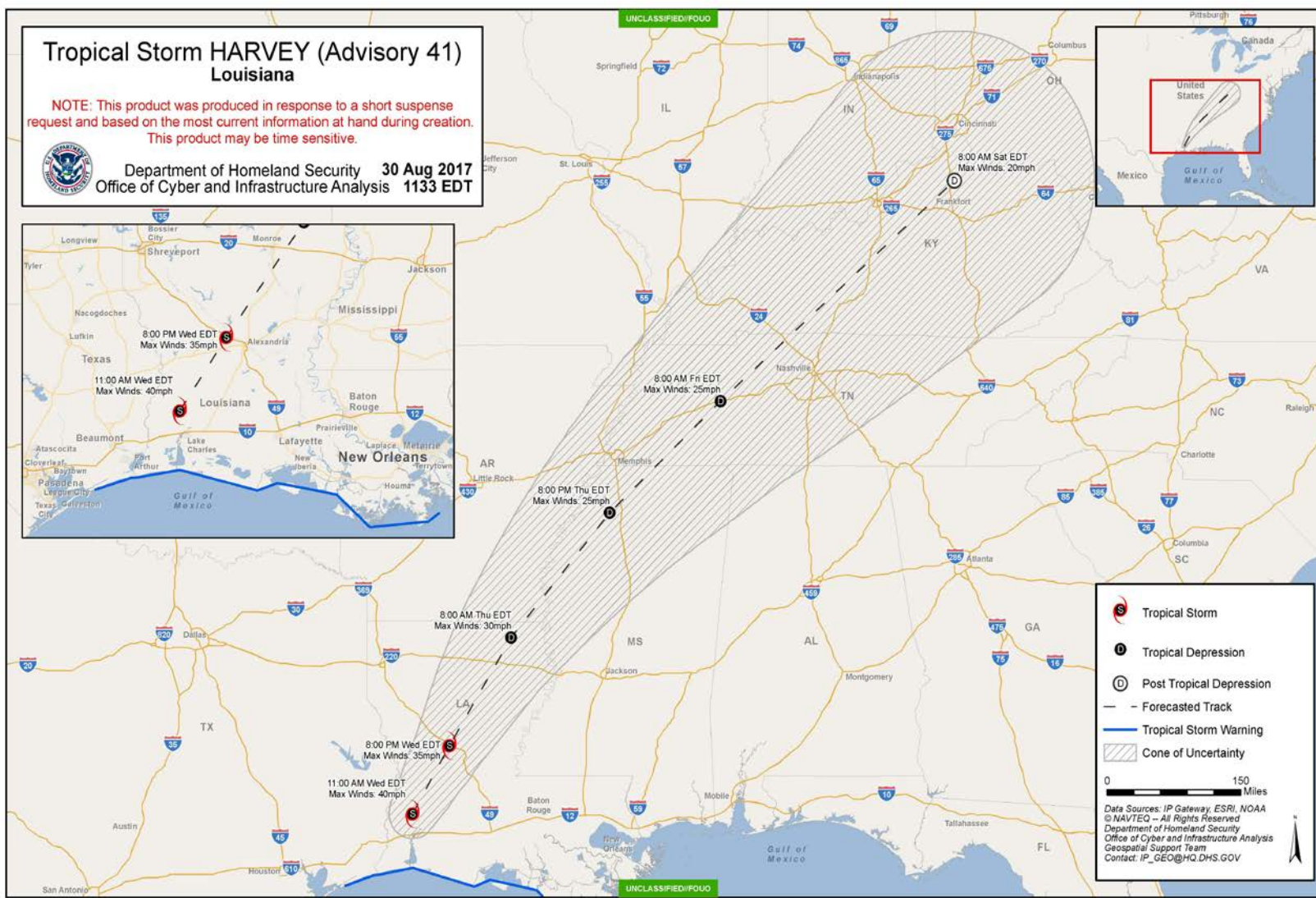
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